

**DESCRIPTION**

The WLZ Series features an architecturally relevant low-profile LED design in lumen packages ranging from 1500 lumens to over 12,000 lumens. Its high-efficiency light engine is designed for optimal light control and distribution with zero uplight. This family of product is offered in several size housings to complement any building exterior and accommodates mounting heights up to 35'.

**SPECIFICATIONS**

**Construction**

- Sleek die-cast aluminum housing with stainless steel hardware and powder coat black, bronze, silver or white finish
- UV-stabilized polycarbonate optical lens
- Integral heat sink for maximized heat dissipation
- Back box houses drivers away from LEDs and includes three 3/4" hubs (WLZ1 and WLZ2 - two 3/4" hubs)

**Optics/ LEDs**

- Zero uplight design to minimize light pollution
- 15 to 100 Watt models replace up to 400 Watt HID for up to 70% energy savings
- Efficacies up to 123 LPW at 5000K to maximize utility rebates
- Type III and Type IV distributions for optimal light distribution (WLZ1-Type III only)
- Available in 3000K, 4000K and 5000K CCT
- L70 of 50,000 hours at 40°C
- CRI of ≥70

**Electrical**

- Class 2 power supply, 120-277VAC, 50/60Hz
- 347/480VAC Dedicated driver option for WLZ4, WLZ7 and WLZ10
- 0-10V Dimming driver (120-277VAC only)
- Power supply rated Class A EMI rating

**Installation**

- Housing hinges to back box and is secured with set screws
- Back box is complete with three 3/4" hubs and internal bubble level for easy installation (WLZ1 and WLZ2 - two 3/4" hubs)
- Mounts to a standard 3-1/2" or 4" square electrical J-box
- Suitable for downlight installation only

**Options**

- Factory installed dual driver options for WLZ4 and WLZ10 (WLZ7 is standard with 2 drivers)
- Factory installed 120/277VAC button type photocontrol option (PC)
- Factory installed 10kVA surge protection options (SP or SPH)

**Accessories (Field Installed)**

- 120/277VAC button type universal photocontrol options accessory (PCU)
- Dimming occupancy sensor programmable, Wattstopper FSP221 available in multiple finishes (TL-SCES-L2)
- Remote control for occupancy sensor. Optional (TL-FSIR100)

**Testing & Compliance**

- cULus Listed for Wet Location
- DesignLights Consortium® (DLC) Qualified (verify QPL for specific models)
- International Dark Sky friendly approved product. (IDA) 3000K only
- Operating temperatures: -40°C to 40°C (-40°F to 104°F)

**Warranty**

- Five year warranty (terms and conditions apply)

**Ordering Information** (Example: WLZ2-3-4K-BR)

| Series/Configuration           | Distribution             | Input Voltage                 | CCT        | Finish      | Options                             |
|--------------------------------|--------------------------|-------------------------------|------------|-------------|-------------------------------------|
| WLZ1 = 15W, Extra-Small        | 3 = Type III             | BLANK = 120-277VAC            | 3K = 3000K | BL = Black  | DD <sup>4</sup> = Dual driver       |
| WLZ2 = 25W, Small              | 4 <sup>2</sup> = Type IV | HVS <sup>3</sup> = 347/480VAC | 4K = 4000K | BR = Bronze | PC = 120/277VAC Button photocontrol |
| WLZ4 = 40W, Medium             |                          |                               | 5K = 5000K | SV = Silver | SP = 120/277VAC Surge protection    |
| WLZ7 <sup>1</sup> = 70W, Large |                          |                               |            | WH = White  | SPH = 347/480VAC Surge protection   |
| WLZ10 = 100W, Extra-Large      |                          |                               |            |             |                                     |

**Notes**

- Standard with two drivers
- Not available for WLZ1 configuration
- Available for WLZ4, WLZ7 and WLZ10 only. Compatible with SPH option only
- Dual driver option available for WLZ4 and WLZ10 only. Not compatible with photocontrol option, consult factory
- Compatible with WLZ4, WLZ7 and WLZ10 only. Contact factory for compatibility with other options
- Dimming occupancy sensor, programmable, Wattstopper FSP221, L2 Lens
- Order as a separate line item. Shipped in separate box for final installation in the field

| Accessories <sup>7</sup> (Field Installed)                 |
|--|
| PCU = 120/277VAC Button photocontrol accessory             |
| TL-FSIR-100 = Remote control for TL-SCES sensor (optional) |
| TL-SCES-L2 <sup>5,6</sup> = White Finish                   |
| TL-SCES-L2-BL <sup>5,6</sup> = Black Finish                |
| TL-SCES-L2-BR <sup>5,6</sup> = Bronze Finish               |
| TL-SCES-L2-GR <sup>5,6</sup> = Gray                        |

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accessories: \_\_\_\_\_  
 Job Name: \_\_\_\_\_ Type: \_\_\_\_\_



| Specs At A Glance*       |  |         |         |         |          |
|--------------------------|--|---------|---------|---------|----------|
| Model                    | WLZ1                                   | WLZ2    | WLZ4    | WLZ7    | WLZ10    |
| <b>Wattage (nominal)</b> | 15W                                    | 25W     | 40W     | 70W     | 100W     |
| <b>Lumens (lm)</b>       | 1745                                   | 3198    | 5021    | 8729    | 12,393   |
| <b>Efficacy (LPW)</b>    | 115                                    | 118     | 123     | 120     | 116      |
| <b>Equivalency (HID)</b> | 50W                                    | 100W    | 150W    | 250W    | 400W     |
| <b>Distribution</b>      | Type III, IV (WLZ1 Type III only)      |         |         |         |          |
| <b>CCT</b>               | 3000K, 4000K, 5000K                    |         |         |         |          |
| <b>CRI</b>               | ≥70                                    |         |         |         |          |
| <b>Input Voltage</b>     | 120 - 277VAC, 50/60Hz, 347/480V option |         |         |         |          |
| <b>Operating Temp</b>    | -40°C to 40°C (-40°F to 104°F)         |         |         |         |          |
| <b>Certifications</b>    | UL Listed for Wet Locations, DLC, IDA  |         |         |         |          |
| <b>Warranty</b>          | 5 Years                                |         |         |         |          |
| <b>Weight</b>            | 2.6 lbs                                | 3.3 lbs | 6.0 lbs | 9.9 lbs | 12.1 lbs |

\* Nominal Wattage, tested at 5000K CCT, Type III distribution. Values at 120/277VAC. See performance table for more detailed lumen information.

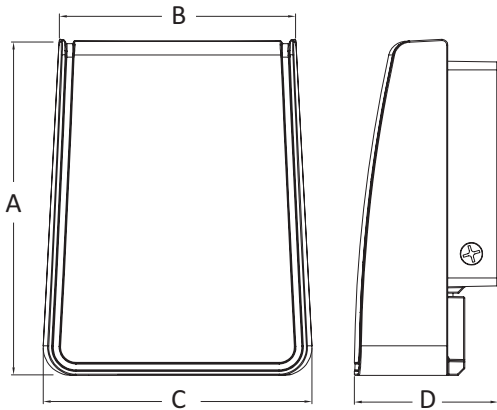
Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

## Performance Data

| Model         | Wattage (W) | CCT   | Distribution | Lumen Output (lm) | Efficacy (LPW) |
|---------------|-------------|-------|--------------|-------------------|----------------|
| WLZ1-3-3K-XX  | 15          | 3000K | Type III     | 1531              | 101            |
| WLZ1-3-4K-XX  | 15          | 4000K | Type III     | 1534              | 101            |
| WLZ1-3-5K-XX  | 15          | 5000K | Type III     | 1745              | 115            |
| WLZ2-3-3K-XX  | 25          | 3000K | Type III     | 2795              | 103            |
| WLZ2-3-4K-XX  | 25          | 4000K | Type III     | 2997              | 111            |
| WLZ2-3-5K-XX  | 25          | 5000K | Type III     | 3198              | 118            |
| WLZ2-4-3K-XX  | 25          | 3000K | Type IV      | 2609              | 98             |
| WLZ2-4-4K-XX  | 25          | 4000K | Type IV      | 2797              | 105            |
| WLZ2-4-5K-XX  | 25          | 5000K | Type IV      | 2985              | 112            |
| WLZ4-3-3K-XX  | 40          | 3000K | Type III     | 4389              | 107            |
| WLZ4-3-4K-XX  | 40          | 4000K | Type III     | 4705              | 115            |
| WLZ4-3-5K-XX  | 40          | 5000K | Type III     | 5021              | 123            |
| WLZ4-4-3K-XX  | 40          | 3000K | Type IV      | 4021              | 98             |
| WLZ4-4-4K-XX  | 40          | 4000K | Type IV      | 4310              | 105            |
| WLZ4-4-5K-XX  | 40          | 5000K | Type IV      | 4599              | 112            |
| WLZ7-3-3K-XX  | 70          | 3000K | Type III     | 7657              | 105            |
| WLZ7-3-4K-XX  | 70          | 4000K | Type III     | 8193              | 113            |
| WLZ7-3-5K-XX  | 70          | 5000K | Type III     | 8729              | 120            |
| WLZ7-4-3K-XX  | 70          | 3000K | Type IV      | 6837              | 94             |
| WLZ7-4-4K-XX  | 70          | 4000K | Type IV      | 7316              | 101            |
| WLZ7-4-5K-XX  | 70          | 5000K | Type IV      | 7794              | 107            |
| WLZ10-3-3K-XX | 100         | 3000K | Type III     | 10,871            | 102            |
| WLZ10-3-4K-XX | 100         | 4000K | Type III     | 11,632            | 109            |
| WLZ10-3-5K-XX | 100         | 5000K | Type III     | 12,393            | 116            |
| WLZ10-4-3K-XX | 100         | 3000K | Type IV      | 9706              | 91             |
| WLZ10-4-4K-XX | 100         | 4000K | Type IV      | 10,385            | 98             |
| WLZ10-4-5K-XX | 100         | 5000K | Type IV      | 11,065            | 104            |

\* Nominal Wattage. Values at 120/277VAC

## Dimensions



| Model        | A (Inches) | B (Inches) | C (Inches) | D (Inches) |
|--------------|------------|------------|------------|------------|
| <b>WLZ1</b>  | 6.7        | 5.0        | 5.6        | 3.2        |
| <b>WLZ2</b>  | 8.0        | 5.7        | 6.0        | 3.2        |
| <b>WLZ4</b>  | 10.2       | 6.8        | 7.8        | 5.0        |
| <b>WLZ7</b>  | 11.6       | 8.3        | 9.4        | 5.0        |
| <b>WLZ10</b> | 11.6       | 10.3       | 11.5       | 5.0        |

## Sample Photometrics

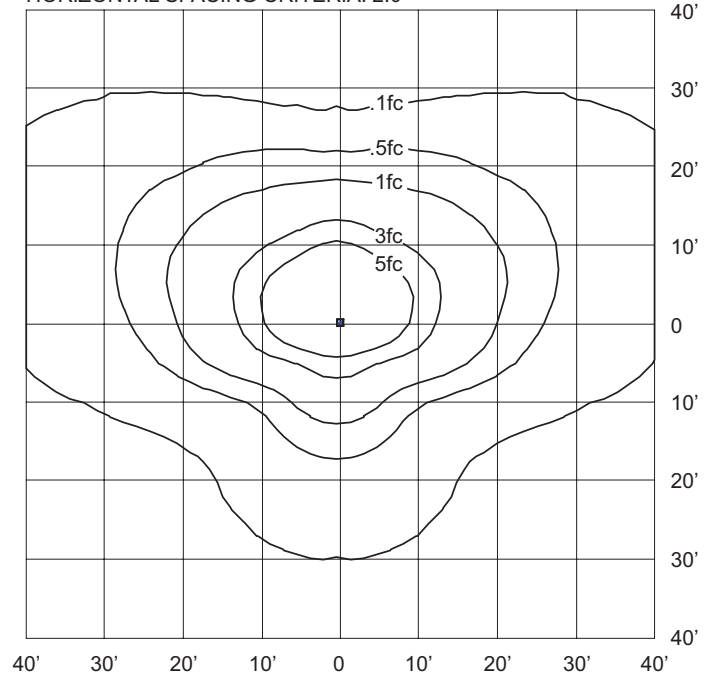
### WLZ4-3-5K

IES: TYPE III VERY SHORT

MOUNTING HEIGHT: 10'

TILT: ZERO

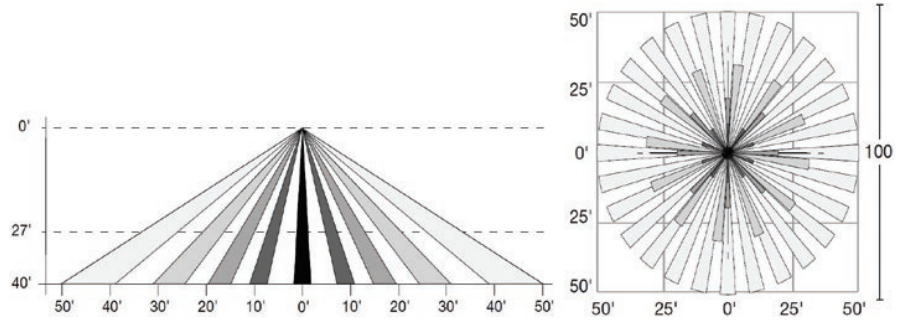
HORIZONTAL SPACING CRITERIA: 2.0



**Sensor Details (Accessory: TL-SCES-L2)**



**Side and Top Sensor Coverage Pattern:  
With FSP-L7 lens (included) 360° lens**



**Settings for TL-SCES-L2**

|                 | Settings                      | Default   |
|-----------------|-------------------------------|-----------|
| High Mode:      | 0-10V                         | 10V       |
| Low Mode:       | Off, 0-9.8V                   | 1V        |
| Time Delay:     | 30 seconds; 5-30 minutes      | 5 Minutes |
| Cut Off Delay:  | None, 1-60 Minutes, 1-5 hours | 1 Hour    |
| Sensitivity:    | None, Low, Medium, Max        | Max       |
| Setpoint:       | None, 1-250fc, Auto           | Disabled  |
| Ramp Up Time:   | None, 1-60 Seconds            | Disabled  |
| Fade Down Time: | None, 1-60 Seconds            | Disabled  |

**NOTE:**

**To change settings in the field, please order TL-FSIR-100 controller.**

